A2500-2

Paper, Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol.69 No.1 JANUARY 1991

PAPER AND PAPERBOARD: 1990
PRODUCTION REMAINS HIGH; PROFITS DOWN

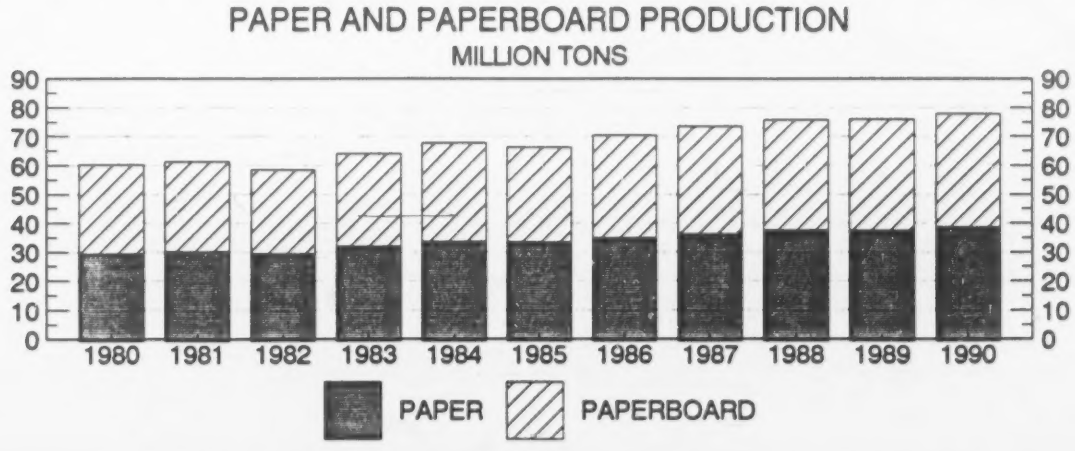
Paper and paperboard production moved to a record 78.6 million tons in 1990, 2.4% above the 1989 high, with paper production up 3.0%, paperboard 1.8%. The average value of shipments per ton of output, however, was slightly below its year-ago level, and the estimated increase in the value of shipments was only 1%. After-tax profits fell by an estimated 20%, moving the return on sales back to mid-1980s levels.

Total demand for paper and paperboard, as measured by new supply (production plus imports less exports plus net imports of converted products), also moved to a new high. At an estimated 84.8 million tons, demand was 1.8% above its year-ago high. It was equivalent to 680 pounds per capita, unchanged from 1988.

Although the fourth quarter 1990 production total was at a record high, the strength was concentrated in October and November, with production of paper falling in December (see table on page 3).

The chart below shows annual totals of paper and paperboard production from 1980 to 1990. It highlights the steep growth trend in the 1982-1988 period, the subsequent leveling in 1988 and 1989, and the jump to a new high in 1990.

Paper: Paper production peaked in July-October 1990 at a seasonally adjusted annual rate of 39.8 million tons, but fell to 38.2 million tons per year in December. The declines were centered on printing-writing and kraft papers; newsprint and tissue were up slightly and "other" papers remained steady.



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The strength in 1990 newsprint production stemmed from the four new machines that came on line during the past year-and-a-half. The total, estimated at a record 6.6 million tons, was 8.7% ahead of the 1989 figure, with the operating rate at 97%. The rate of newsprint consumption, however, has been trending downward since the middle of 1990, bringing the annual total about 1% below that of 1989.

Shipments of printing-writing papers fell in December, bringing the year's total to 22.4 million tons. This was, nonetheless, a new high, 3.5% above the 1989 level and 2.4% above the previous high established in 1988.

The steepest growth was evident in shipments of coated free sheet papers, which posted an above-average 4.8% gain. Uncoated free sheet papers grew 3.9%, with the operating rate at 94.8%. Much of the strength was concentrated in the bond and writing papers, which comprised about 27% of the total. Office copy papers, and cut-size papers for personal computers, account for the major part of these grades. Envelope and offset papers, which combine to make up about 35% of the total, also reported above-average gains.

Tissue paper production rose to a new high, 2.9% above its 1989 total.

Shipments of unbleached kraft papers were 11.4% under their 1989 level, intensifying a decline that started in the mid-1980s. Consumption of these papers, however, supported by an 11% gain in imports and an additional 160,000 tons of recycled packaging papers, was only 1.1% below the corresponding year-ago total. Shipments of bleached kraft papers gained 3.5% from 1989 to 1990, as increases in the multiwall bag, wrapping and converting sectors offset declines in grocers and other bag and sack papers. Shipments of other papers -- specialty packaging and special industrial -- held at their 1989 total.

Paperboard: In contrast to the paper grades, paperboard production strengthened in December 1990, reaching a level only fractionally below the March 1990 monthly high. Bolstered by an 11.6% gain in production for export, the 1990 total reached a record 39,156,000 tons, 1.8% above 1989's. The export gain was concentrated in the unbleached kraft grades. At 74% of the total, these exports rose 13.3%, while the bleached kraft (SBS) grades -- 20% of the total -- increased by 5.9%.

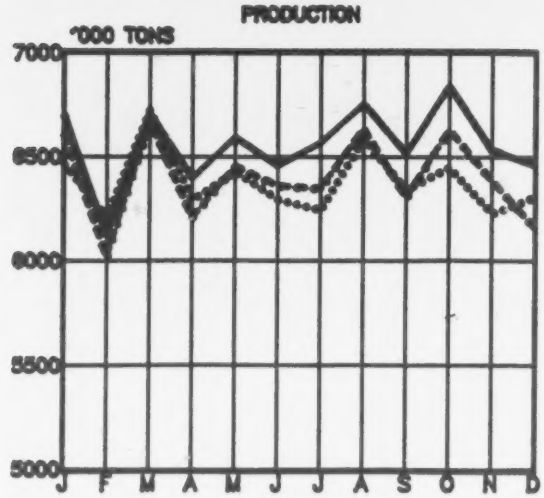
Production of containerboard for the domestic market also moved to a new high, rising 2.4% over 1989. Shipments of fiber boxes, at a record 315.8 billion sq. ft., were 0.8% above their 1989 total. A significant part of the containerboard production was diverted to inventory in the late months of 1990, bringing the year-end mill total 44% -- 84,000 tons -- above its year-ago level; inventories at plants were up by 4.6% -- 111,000 tons. The total at mills and plants as of the end of 1990 was equivalent to 6.0 weeks of supply.

PAPER AND PAPERBOARD STATISTICS PRODUCTION, SHIPMENTS AND ORDERS (Thousands of Tons)	YEAR 1988	YEAR 1989	SEPT 1990	OCT 1990	NOV (R) 1990	DEC (P) 1990	Annual Rate Y-T-D 1990	% Change From Same Period Last Year
PAPER								
Newsprint – Production	5,982	6,088	549	563	564	576	6,615	8.7
– Shipments	5,969	6,079	561	557	564	576	6,628	9.0
Printing & Writing: Total Shipments	21,860	21,626	1,832	2,003	1,865	1,763	22,381	3.5
Groundwood Paper – Shipments	1,624	1,743	137	168	151	147	1,768	1.4
– New Orders	1,654	1,741	173	163	136	161	1,834	5.3
– Unfilled Orders	208	193	226	222	213	215	215	11.4
Coated Groundwood – Shipments	4,204	4,059	360	387	369	327	4,214	3.8
Coated Free Sheet – Shipments	3,155	3,157	276	302	273	237	3,307	4.8
Total Coated Papers – Shipments	7,359	7,215	636	689	642	564	7,522	4.2
– New Orders	7,412	7,171	607	671	589	531	7,424	3.5
– Unfilled Orders	751	706	693	693	643	591	591	-16.3
Unctd Free Sheet – Shipments	11,277	11,081	928	1,009	942	930	11,510	3.9
– New Orders	11,298	11,097	936	996	888	862	11,499	3.6
– Unfilled Orders	790	748	820	818	778	685	685	-8.5
Thin Papers – Shipments	281	262	17	20	19	14	234	-10.8
Cotton Fiber Paper – Shipments	169	161	13	14	13	11	161	0.2
Bleached Bristols – Shipments	1,150	1,164	101	102	98	96	1,188	2.0
Tissue Paper – Production	5,476	5,636	487	507	477	484	5,802	2.9
Total Packaging & Other Paper	5,033	4,916	383	411	383	359	4,611	-6.2
Unbl. Kraft Paper – Shipments	2,800	2,681	198	208	196	173	2,377	-11.4
Other Paper – Production	2,233	2,235	186	203	187	187	2,235	0.0
TOTAL PAPER PRODUCTION – UNADJUSTED	38,352	38,266	3,251	3,484	3,290	3,183	39,410	3.0
TOTAL PAPER PRODUCTION – SEAS ADJ			3,261	3,360	3,304	3,197	39,382	3.0
PAPERBOARD – PRODUCTION								
Containerboard	26,225	26,428	2,264	2,342	2,281	2,376	27,265	3.2
Cont'bd For Dom Use for Fibre Boxes	23,563	23,752	2,064	2,125	2,079	2,066	24,320	2.4
Total Linerboard	16,177	16,399	1,454	1,499	1,453	1,426	16,870	2.9
Unbleached Kraft	15,601	15,833	1,419	1,455	1,405	1,388	16,404	3.6
Solid Bleached	170	178	12	11	11	10	132	-25.8
Recycled	407	388	23	32	38	29	334	-13.9
Corrugating Medium	7,351	7,339	609	626	625	640	7,443	1.4
Semichemical	5,528	5,554	447	469	469	480	5,566	0.2
Recycled	1,823	1,785	163	157	156	160	1,877	5.1
Container Chip and Filler	35	14	0	1	1	0	7	-49.3
Other Containerboard for Dom Use	320	307	23	25	17	24	282	-8.0
Containerboard for Export	2,342	2,369	177	191	185	285	2,662	12.4
Boxboard	11,878	12,029	993	1,002	954	945	11,891	-1.1
Boxboard for Packaging for Dom Use	7,014	7,076	585	581	571	575	6,975	-1.4
Folding Boxboard	5,293	5,370	440	449	440	446	5,239	-2.4
Solid Bleached	2,017	1,980	152	143	139	159	1,827	-7.8
Unbleached Kraft	924	987	81	84	89	94	970	-1.7
Recycled	2,353	2,403	207	221	213	193	2,442	1.6
Set-up Boxboard for Dom Use	279	288	24	23	23	19	297	3.1
Milk Carton & Food Service Dom Use	1,442	1,419	121	109	108	111	1,439	1.5
Other Boxboard for Domestic Use	4,075	4,089	334	345	313	285	3,971	-2.9
Boxboard for Export	789	863	74	77	69	85	946	9.6
Paperboard Production by Furnish	38,103	38,456	3,257	3,344	3,234	3,321	39,156	1.8
Unbleached Kraft	19,140	19,490	1,700	1,754	1,698	1,795	20,335	4.3
Semichemical	5,664	5,691	455	480	477	494	5,710	0.3
Solid Bleached Kraft	4,511	4,521	363	348	336	369	4,380	-3.1
Recycled	8,788	8,754	739	764	723	663	8,731	-0.3
Paperboard Production for Export	3,132	3,232	251	268	254	370	3,608	11.6
Unbleached Kraft	2,296	2,363	177	189	188	289	2,678	13.3
Semichemical	136	138	9	12	8	14	143	4.3
Bleached Kraft	628	693	59	63	56	64	734	5.9
Recycled	72	38	7	4	3	3	52	38.0
TOTAL PAPERBOARD PRODUCTION – UNADJ	38,103	38,456	3,257	3,344	3,234	3,321	39,156	1.8
TOTAL PAPERBOARD PROD – SEAS ADJ			3,338	3,304	3,324	3,395	39,125	1.8
PAPER AND PAPERBOARD – UNADJ	76,455	76,722	6,507	6,828	6,524	6,504	78,566	2.4
PAPER AND PAPERBOARD – SEAS ADJ			6,599	6,664	6,628	6,591	78,507	2.4

R – Revised P – Preliminary Seas. Adj. – Seasonally Adjusted Unadj – Not Seasonally Adjusted

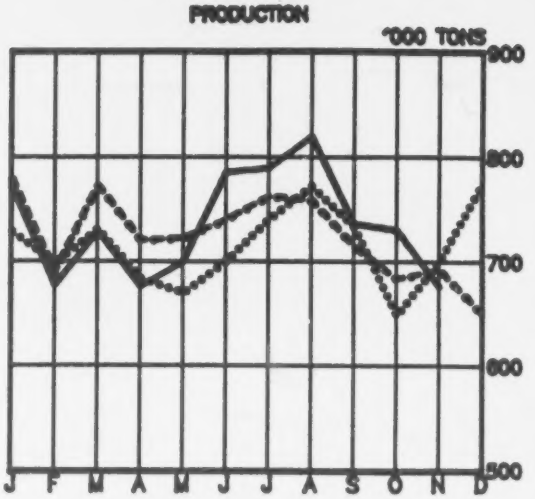
TOTAL PAPER AND PAPERBOARD

PRODUCTION



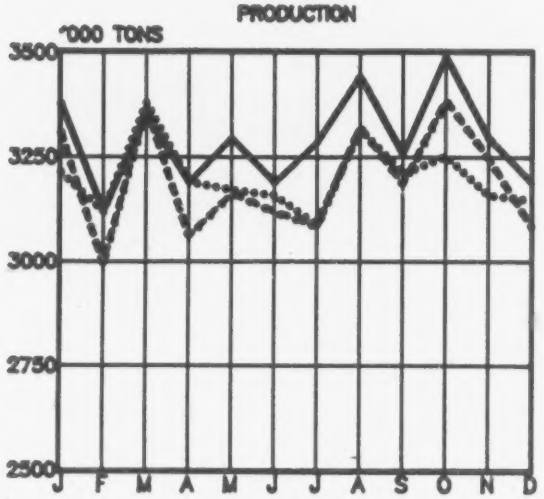
MARKET WOOD PULP

PRODUCTION



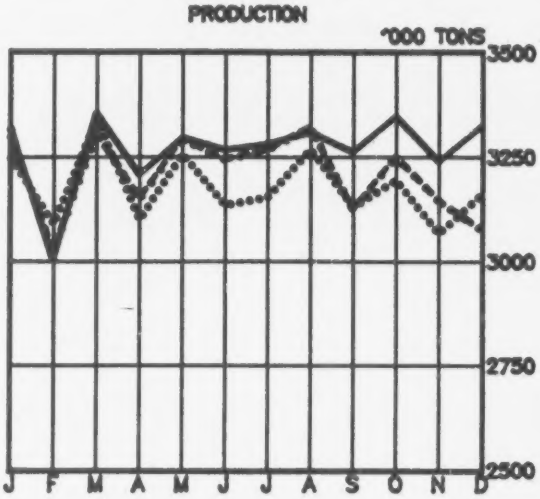
TOTAL PAPER

PRODUCTION



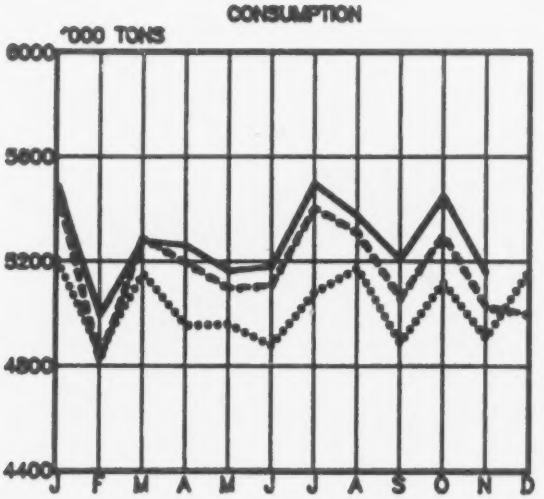
TOTAL PAPERBOARD

PRODUCTION



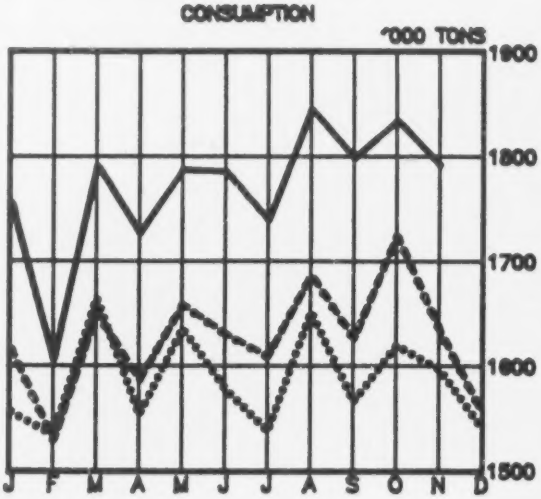
TOTAL WOOD PULP

CONSUMPTION



TOTAL WASTE PAPER

CONSUMPTION



1988 •••••••• 1989 - - - - - 1990 ——————

WOOD PULP STATISTICS (Thousands of Tons)			YEAR 1988	YEAR 1989	AUG 1990	SEPT 1990	OCT (R) 1990	NOV (P) 1990	Annual Rate Y-T-D 1990	% Change From Same Period Last Year
TOTAL WOOD PULP										
Total Wood Pulp	Production		61,161	61,998	5,366	5,200	5,442	5,150	63,205	1.6
	Imports	A	5,038	5,005	416	367	445	390	4,979	-0.9
	Exports		5,528	6,231	554	526	491	438	5,922	-3.9
	New Supply		60,671	60,772	5,229	5,042	5,396	5,101	62,299	2.0
Dissolving Pulp	Production		1,367	1,425	125	126	91	71	1,277	-10.6
	Imports		248	284	8	18	21	20	217	-24.2
	Exports		865	836	66	77	56	57	778	-4.4
	New Supply		751	873	67	66	56	34	716	-20.5
Paper Grades	Production		49,493	50,181	4,374	4,190	4,410	4,175	51,195	1.6
Chemical Pulp	Imports	A	4,419	4,370	373	318	392	348	4,400	0.1
	Exports		4,612	5,325	485	446	433	378	5,101	-3.3
	New Supply		49,300	49,226	4,261	4,062	4,369	4,145	50,494	2.0
Groundwood and	Production		5,943	6,029	541	536	578	550	6,443	7.3
Thermo-Mech	Imports	A	371	351	35	31	32	22	362	4.8
	Exports		51	70	3	3	2	3	43	-39.3
	New Supply		6,263	6,309	573	564	609	569	6,762	7.7
Semi-Chemical	Production		4,358	4,363	327	349	362	353	4,291	-1.8
	Imports									
	Exports									
	New Supply		4,358	4,363	327	349	362	353	4,291	-1.8
MARKET WOOD PULP										
Total Market	Production		8,565	8,664	818	734	728	674	8,817	0.8
Wood Pulp	Imports		3,557	3,539	258	250	293	258	3,260	-7.7
	Exports		5,071	5,309	521	527	447	416	5,520	5.2
	New Supply		7,051	6,893	556	457	574	515	6,557	-6.8
Dissolving Pulp	Production		1,365	1,422	128	125	91	71	1,279	-10.1
	Imports		206	210	5	18	16	17	167	-20.6
	Exports		798	821	57	80	55	52	768	-3.3
	New Supply		774	810	76	63	53	36	678	-19.2
Paper Grades	Production		7,200	7,242	688	607	635	603	7,530	2.8
Chemical Pulp	Imports		3,126	3,072	230	212	259	225	2,853	-6.9
	Exports		4,273	4,489	464	447	393	364	4,752	6.8
	New Supply		6,052	5,825	454	372	501	464	5,631	-5.1
Groundwood Pulp	Production		0	(0)	2	2	2	(0)	9	N.M.
and All Other	Imports	RS	231	258	23	20	18	16	240	-6.9
	Exports		0	(0)	0	0	0	0	0	0.0
	New Supply		231	258	25	21	20	15	248	-3.6

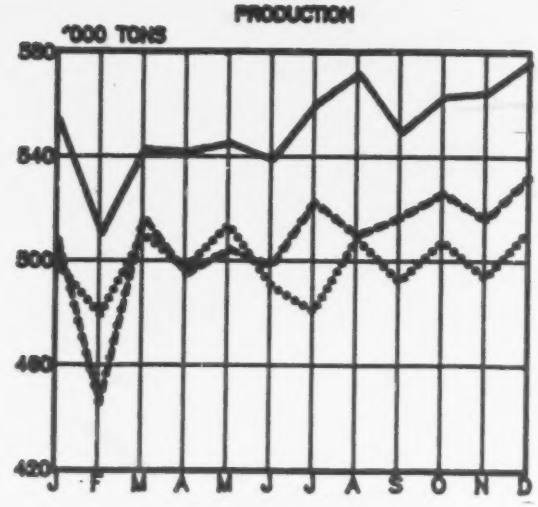
SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports – Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports – Department of Commerce.
NOTE: A – API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data. RS – Revised Series.

FIBROUS RAW MATERIALS (Thousands of tons)	YEAR 1988	YEAR 1989	AUG 1990	SEPT 1990	OCT (R) 1990	NOV (P) 1990	Annual Rate 1990	% Change From Same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS								
Total	79,315	80,217	7,022	6,831	7,225	6,862	83,052	3.3
Total Wood Pulp	60,294	60,727	5,178	5,034	5,391	5,073	61,840	1.6
Waste Paper	19,021	19,490 R	1,844	1,797	1,834	1,790	21,212	8.4
INVENTORIES								
Chemical Paper Grade Market Pulp								
Producers' Own-Use Inventories	172	193	218	228	210	201	201	7.1
Producers' Market Inventories	261	342	527	461	472	494	494	10.8
Consumers' Purchased Inventories #	622	519	418	423	422	358	358	-32.3
Waste Paper at Paper & Bd. Mills	1,044	1,057	1,052	965	1,014	985	985	-8.5
Days of Supply at Pulp Mills of								
Chemical Paper Grade Mkt Pulp	14	19	24	22	22	23	23	-8.0

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
Includes all grades of wood pulp N.M. – Not Meaningful
P – Preliminary; R – Revised; (0) – Indicates zero to five-hundred short tons

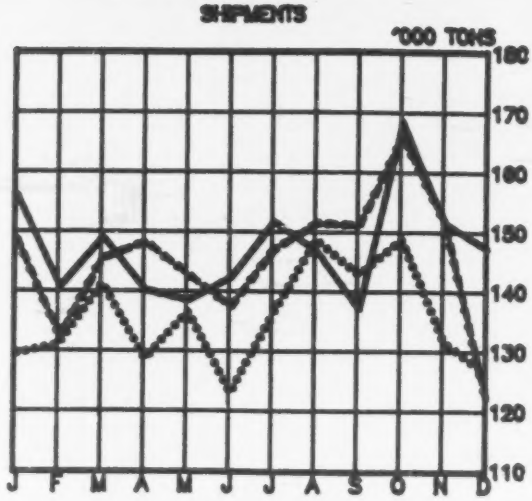
NEWSPRINT

PRODUCTION



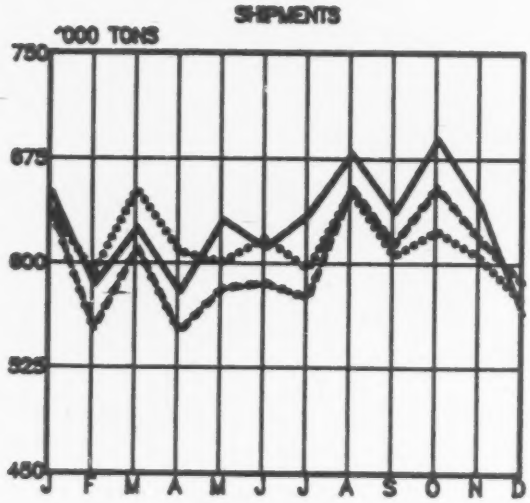
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



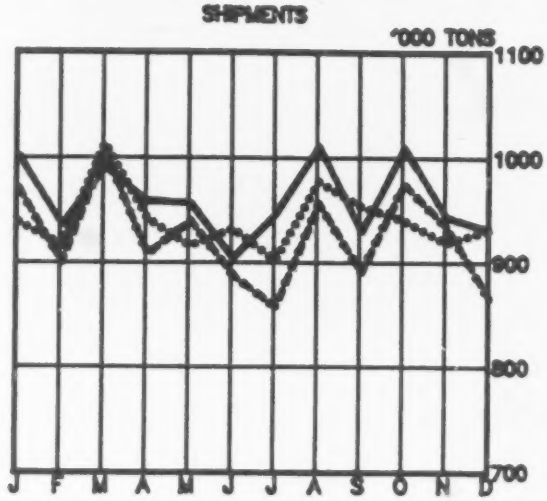
COATED PAPER

SHIPMENTS



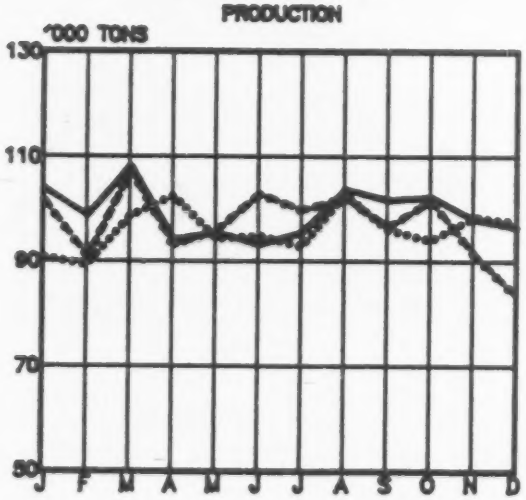
UNCOATED FREE SHEET PAPERS

SHIPMENTS



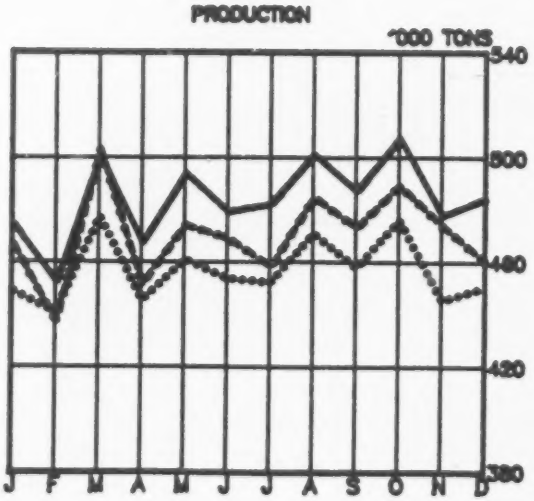
BLEACHED BRISTOLS

PRODUCTION



TISSUE PAPER

PRODUCTION



1988 ..... 1989 ----- 1990 ———

FIBROUS RAW MATERIALS (Thousands of Standard (128 Cu. ft.) Cord	YEAR 1988	YEAR 1989	AUGUST 1990	SEPT 1990	OCTOBER 1990	NOVEMBER 1990	ANNUAL RATE Y-T-D 1990	% CHANGE FROM SAME PD LAST YEAR
PULPWOOD								
Total U.S. – Total Receipts	95,537	99,279	8,452	8,271	8,712	8,180	99,662	-0.1
– Total Consumpt	95,497	98,414	8,333	8,243	8,517	8,120	99,379	0.7
– Residues *	33,186	34,539	2,990	3,037	3,163	2,963	35,980	3.9
– Inventories	4,888	5,462	5,239	5,651	5,751	6,375	6,375	14.2
So. Atlantic – Total Receipts	31,582	31,982	2,651	2,638	2,726	2,616	32,660	1.5
– Total Consumpt	31,567	32,239	2,678	2,826	2,678	2,579	32,449	0.3
– Residues *	9,897	9,961	926	1,032	923	903	11,204	12.5
– Inventories	1,200	936	1,096	1,219	1,216	1,324	1,324	27.7
Northeast – Total Receipts	7,187	7,242	620	594	662	599	7,273	0.3
– Total Consumpt	7,216	7,072	590	585	595	534	7,115	-0.2
– Residues *	1,664	1,575	132	121	135	123	1,507	-5.9
– Inventories	572	522	382	401	439	458	458	-3.6
South Central – Total Receipts	33,751	35,840	3,276	3,055	3,396	3,149	37,295	3.4
– Total Consumpt	33,646	35,791	3,149	3,095	3,242	3,088	36,826	2.8
– Residues *	9,890	10,539	1,002	936	1,020	953	11,559	9.3
– Inventories	1,160	1,336	1,348	1,307	1,474	2,072	2,072	44.5
North Central – Total Receipts	6,865	7,020	623	543	614	583	7,095	0.8
– Total Consumpt	6,929	6,963	602	515	633	604	7,117	1.9
– Residues *	1,334	1,422	122	100	105	121	1,327	-6.2
– Inventories	839	938	980	1,012	1,011	1,004	1,004	10.5
West – Total Receipts	16,152	17,195	1,282	1,241	1,324	1,233	15,389	-10.6
– Total Consumpt	16,139	16,349	1,314	1,240	1,371	1,315	15,872	-2.9
– Residues *	10,401	11,042	808	846	980	853	10,364	-6.4
– Inventories	1,117	1,730	1,454	1,712	1,811	1,517	1,517	-12.1

* – Consumption of Residues in cords equivalent

SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA		IMPORTS FROM CANADA * YEAR 1989 Tons	YEAR 1989 ($000)	OCTOBER 1990 Tons	OCTOBER 1990 ($000)	NOVEMBER 1990 Tons	NOVEMBER 1990 ($000)	ANNUAL RATE Y-T-D 1990 Tons	% CHANGE FROM SAME PD LAST YEAR
Pulpwood, Roundwood (in cubic meters)		211,061	4,582	0	0	0	0	0	-100.0
Pulpwood chips		792,186	27,339	50,296	1,341	52,573	1,770	897,121	-15.0
Wood Pulp, Total	A	4,353,343	2,599,247	360,645	212,817	337,923	184,391	4,401,930	0.4
Waste Fibrous Materials, Total		164,217	31,659	10,368	2,454	10,347	2,661	134,206	-19.0
Paper, Board & Products, Total	A	10,966,831	6,104,181	964,601	566,363	926,548	545,910	11,282,273	2.3
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	A	10,807,659	5,782,419	952,366	526,104	913,899	514,221	11,134,844	2.7
Paper, Paperboard & Products	A	10,830,545	6,065,465	949,277	552,607	916,525	543,413	11,160,580	2.6
Paper & Paperboard, Only	A	10,661,373	5,743,703	937,042	522,358	903,877	511,734	11,003,150	3.0
Paper, Total	A	10,234,256	5,579,018	879,989	499,210	857,527	492,111	10,470,886	2.1
Newsprint	A	8,330,874	4,278,705	668,463	360,632	657,728	347,773	8,167,155	-2.0
Printing, Writing & Rel. Pap.	A	1,579,698	1,069,263	175,034	120,112	172,601	121,941	1,922,530	21.9
Pack. & Ind. Conv. Paper		217,159	119,140	21,793	12,721	15,464	9,558	218,358	0.9
Special Industrial Paper		49,045	60,344	4,795	6,721	4,430	6,108	58,229	19.9
Tissue Paper		57,481	51,567	9,863	9,024	7,303	6,732	84,615	48.5
Paperboard, Total		417,117	184,685	57,074	23,148	48,350	19,612	532,284	28.5
Convtd Paper&Paperbd Products		179,172	321,762	12,235	30,249	11,848	31,680	147,429	-20.5
Wet Machine Board		293	245	28	30	106	91	982	226.0
Construction Paper & Board		156,993	38,472	15,298	3,717	9,916	2,407	130,732	-19.3

NOTE: A – API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data.

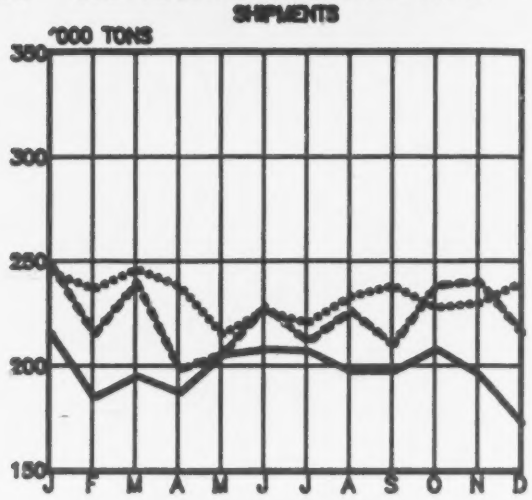
NOTE: 1990 EXPORT DATA NOT FULLY COMPARABLE WITH 1989'S.

	EXPORTS TO CANADA *							
Pulpwood, Roundwood (in cubic meters)	62,892	1,120	122,423	3,120	178,809	4,362	1,040,523	1416.6
Pulpwood chips	26,218	1,241	19,621	881	15,353	657	196,374	546.7
Wood Pulp, Total	362,896	141,272	22,465	12,346	22,363	11,172	336,490	-2.1
Cotton Pulp & Other Pulp	6,215	4,249	207	209	453	396	4,393	-29.3
Waste Paper	284,379	38,555	60,720	10,859	54,179	9,445	669,067	136.1
Paper, Board & Products, Total	1,083,228	763,613	114,737	126,803	107,844	117,842	1,222,822	12.5
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	754,575	497,470	85,937	80,624	81,046	75,300	915,046	21.0
Paper, Paperboard & Products	1,062,560	755,810	114,439	128,583	107,495	117,510	1,220,479	14.4
Paper & Paperboard, Only	733,907	489,888	85,640	80,404	80,897	75,168	912,702	24.0
Paper, Total	371,206	340,312	52,380	69,364	48,303	54,709	532,487	43.4
Newsprint	8,316	5,891	3,111	1,730	2,280	1,228	21,317	164.1
Printing, Writing & Rel. Pap.	228,021	222,055	37,346	42,361	32,172	37,036	362,164	67.1
Pack. & Ind. Conv. Paper	65,390	29,624	5,158	3,663	5,550	3,972	53,062	-17.0
Special Industrial Paper	62,845	72,955	4,912	9,671	8,275	10,406	60,504	-4.7
Tissue Paper	6,834	9,787	1,873	1,958	2,047	2,066	15,440	122.8
Paperboard, Total	362,701	149,356	33,240	21,020	32,594	20,460	360,215	4.3
Convtd Paper&Paperbd Products	328,653	266,143	26,799	48,179	26,598	42,341	307,776	-7.0
Wet Machine Board	1,626	660	0	0	0	0	0	-100.0
Construction Paper & Board	19,040	7,143	298	220	149	132	2,343	-67.6

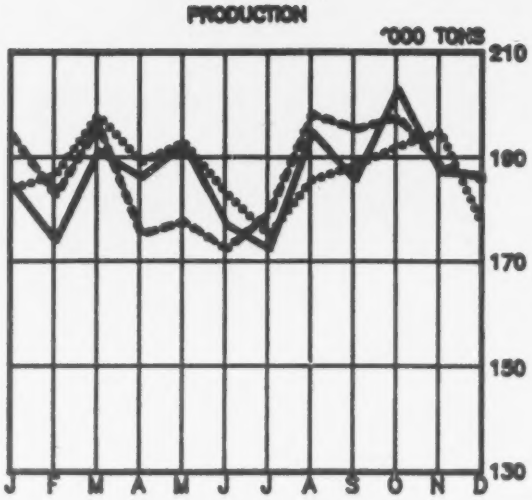
SOURCE: Bureau of Census, Department of Commerce .

E – Estimate of tonnage based on square foot data

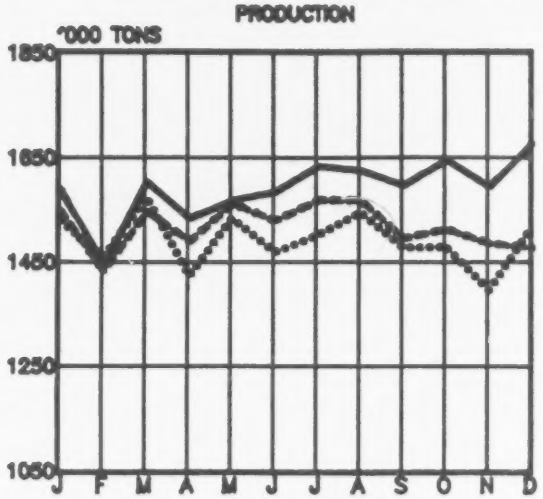
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER SHIPMENTS



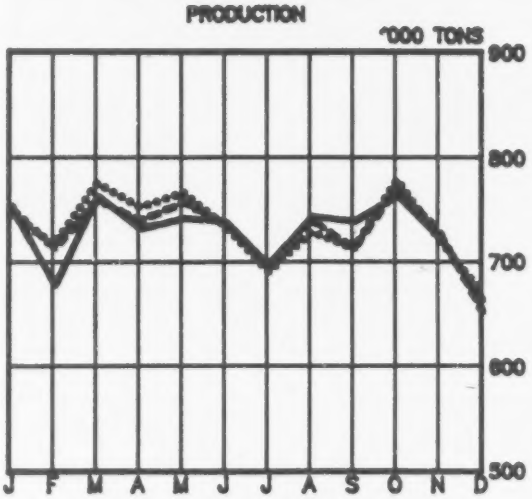
OTHER PAPER PRODUCTION



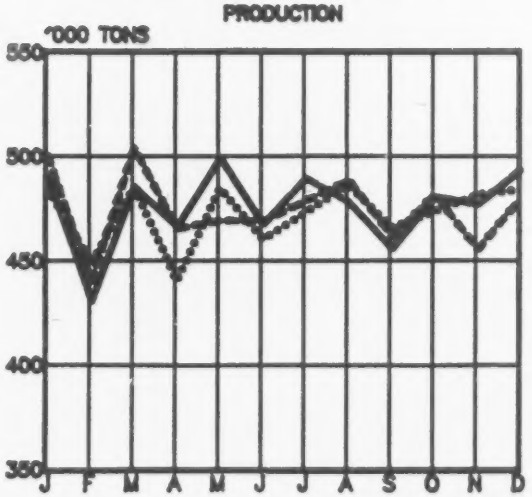
UNBLEACHED KRAFT LINERBOARD PRODUCTION



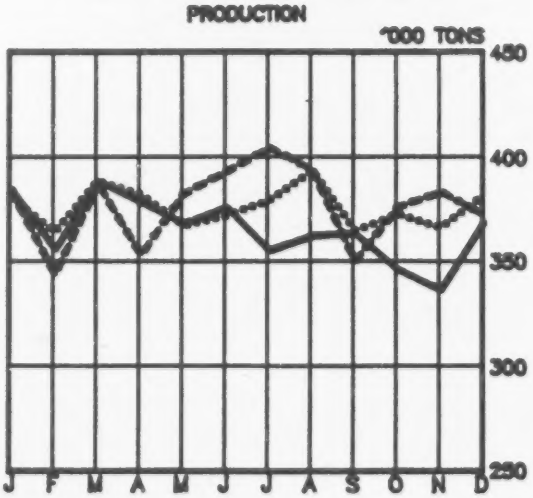
RECYCLED PAPERBOARD PRODUCTION



SEMICHEMICAL PAPERBOARD PRODUCTION



SOLID BLEACHED PAPERBOARD PRODUCTION



1988 ..... 1989 ----- 1990 ———

PULP, PAPER AND PAPERBOARD IMPORTS		YEAR 1990		OCTOBER 1990		NOVEMBER 1990		Annual Rate YTD 1990	% Change from same Period
		Tons	$000	Tons	$000	Tons	$000	Tons (1)	Last Year
Pulpwood Roundwood (cubic meters)		211,091	4,582	0	0	0	0	0	-100.0
Pulpwood Chips		805,361	27,789	60,514	1,358	82,895	1,775	868,448	-16.3
Total All Imports	A	18,298,860	11,352,263	1,622,875	1,014,898	1,481,899	930,459	18,378,132	-0.1
Wood Pulp Total	A	5,005,100	2,980,642	445,312	246,529	388,885	210,448	4,879,189	-0.9
Waste Paper		172,575	33,197	6,910	2,179	9,721	2,337	126,220	-27.8
Other Fibrous Materials		11,254	8,518	1,400	1,029	1,082	884	13,842	18.1
Paper Board & Products Total	A	13,089,931	8,329,906	1,166,254	765,160	1,081,180	717,010	13,358,701	0.8
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	A	12,537,474	7,231,648	1,129,738	676,192	1,045,987	631,983	12,834,786	1.8
Paper Ppbd & Prds ex Cnst&WMB	A	12,910,205	8,279,603	1,148,884	760,317	1,069,980	713,661	13,111,062	1.0
Paper & Paperboard Only	A	12,347,748	7,181,244	1,112,368	671,348	1,034,467	628,334	12,667,176	2.2
Paper Total	A	11,814,283	6,900,796	1,080,215	643,786	991,251	602,909	12,063,811	1.8
Newsprint	A	8,553,401	4,379,613	685,113	359,253	686,827	351,570	8,368,869	-2.5
Printing & Writing	A	2,732,978	1,886,141	308,252	225,007	269,484	200,452	3,129,462	13.1
Uncoated Groundwood		1,304,114	817,785	147,668	96,854	114,344	75,034	1,262,913	1.8
Coated Print.& Impreg. Pap.	A	774,022	632,484	81,021	63,516	71,850	59,194	950,049	21.3
Uncoated Free Sheet	A	583,077	482,404	73,378	67,702	76,172	67,948	747,448	28.8
Thin (except Cigarette)		12,711	15,200	1,268	1,569	1,000	1,373	11,364	-8.5
Bristols		59,052	68,267	4,899	5,567	6,019	6,903	67,700	14.5
Total Pkg & Other Paper		407,087	414,353	41,907	45,975	33,490	39,356	436,443	7.9
Unbleached Kraft Paper		239,303	116,011	24,557	12,895	17,988	9,087	243,443	2.3
Other Pkg. & Indust. Paper		167,785	298,342	17,350	33,290	15,502	30,268	193,000	15.8
Tissue		120,797	110,691	14,944	13,501	12,440	11,233	129,007	6.8
Paperboard, Total		533,486	290,446	62,153	27,582	53,218	25,725	623,564	15.2
Test or Containerboard		85,048	34,401	8,458	2,996	7,783	3,263	118,734	38.7
Semi-Chemical Corrugating		118,178	36,462	12,196	3,228	7,497	1,988	109,368	-8.8
Other Paperboard		330,262	209,584	43,499	23,024	37,938	20,477	397,475	17.8
Convtd Paper&Paperbd Products		562,457	1,098,259	36,516	88,969	35,523	85,327	423,906	-36.1
Paper Products, Total		470,471	924,729	26,536	70,202	26,854	67,436	318,908	-33.5
Paperboard Products, Total		91,986	173,529	9,980	18,767	8,669	17,891	105,368	11.8
Wet machine Board		606	580	31	33	143	123	1,218	96.1
Construction Paper & Board E		189,119	49,824	17,339	4,811	11,067	3,225	148,401	-25.7
Notes									
Other: No Weight Avail. ($000)			136,824		13,925		13,040	137,825	-1.8
Total Imports Incl. Other($000)			11,488,886		1,028,823		943,499	11,569,912	-0.1

NOTE: A – API shifted Import data from January 1989 to December 1989 to compensate for misallocation of reported data.

NOTE: 1990 EXPORT DATA NOT FULLY COMPARABLE WITH 1989'S.

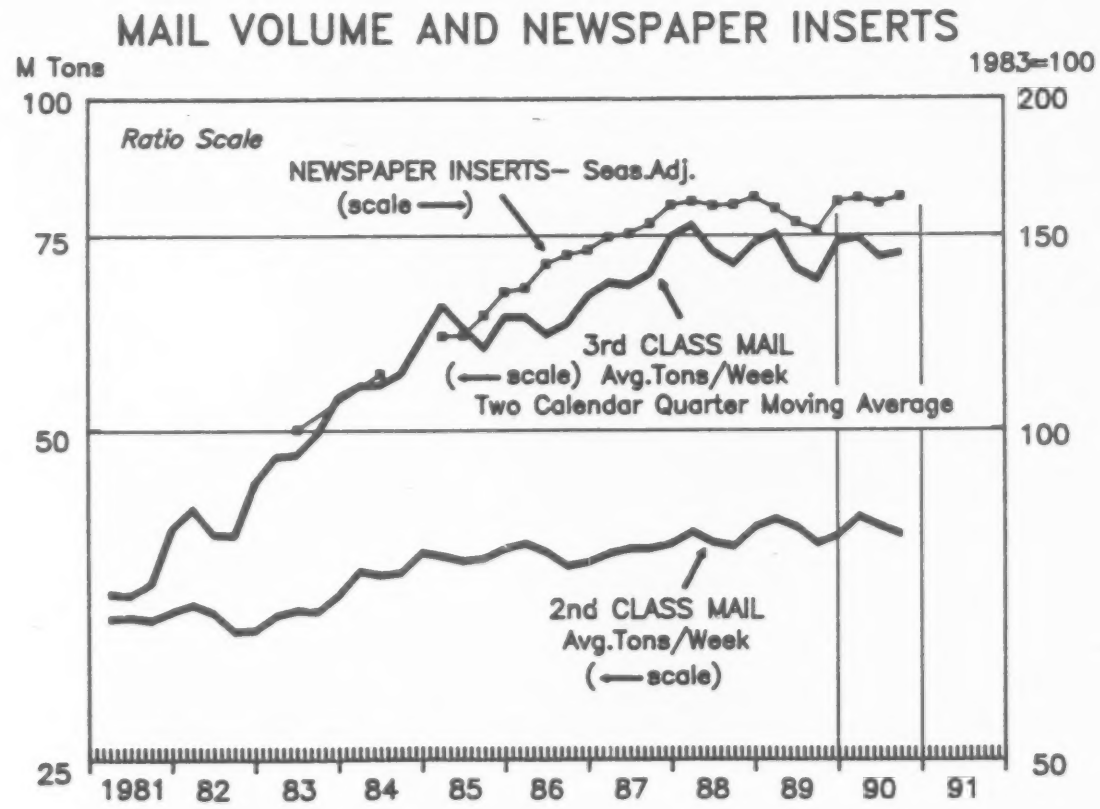
PULP, PAPER AND PAPERBOARD EXPORTS	YEAR 1990		OCTOBER 1990		NOVEMBER 1990		Annual Rate YTD 1990	% Change from same Period
	Tons	$000	Tons	$000	Tons	$000	Tons (1)	Last Year
Pulpwood, Roundwood (cubic meters)	137,617	3,475	126,581	3,221	181,981	4,425	1,125,908	671.0
Pulpwood Chips	4,357,811	368,154	414,852	37,878	454,113	38,220	4,086,408	8.1
Total All Exports	18,633,605	8,803,945	1,858,993	777,094	1,578,065	715,413	19,378,228	4.2
Wood Pulp,Total	6,231,172	3,512,804	491,183	247,521	437,790	218,836	5,922,094	-3.9
Cotton Pulp and Other Pulp	122,045	100,510	10,732	7,831	10,387	7,797	137,389	15.7
Waste and Old Paper	5,980,820	729,797	579,253	88,562	582,988	84,210	6,476,578	7.9
Paper, Board & Products,Total	6,299,768	4,261,035	577,545	453,070	547,009	426,671	6,842,186	8.4
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	5,259,733	2,982,606	480,729	305,856	454,717	296,575	5,791,229	10.1
Paper, Ppbd & Prod ex Cnst&WMB	6,263,491	4,246,277	576,456	452,269	546,216	426,177	6,832,577	8.9
Paper & Paperboard, Only	5,223,456	2,967,928	479,842	305,048	453,924	296,081	5,781,848	10.8
Paper, Total	1,486,752	1,233,527	133,353	136,490	135,724	132,128	1,533,379	3.2
Newsprint	624,798	357,381	42,837	25,487	52,054	30,143	540,829	-18.0
Printing & Writing	478,201	485,168	62,367	71,621	52,578	58,252	674,405	40.7
Uncoated Groundwood	88,056	84,766	7,194	8,437	5,714	5,248	75,369	-15.0
Clay Coated Paper	168,538	131,418	22,511	22,382	15,827	16,061	225,219	34.1
Uncoated Free Sheet	122,348	166,830	20,350	30,859	19,582	26,922	233,210	92.8
Other Printing & Writing	99,260	102,154	12,312	11,943	11,456	10,024	140,587	38.2
Total Pkg. & Other Paper	342,041	380,790	24,575	35,265	27,249	39,368	294,841	-18.8
Unbleached Kraft	125,818	80,318	9,868	5,482	10,338	6,542	112,012	-9.1
Other Pkg. & Indust. Paper	216,223	320,472	14,967	29,783	16,910	33,826	172,829	-21.1
Tissue	20,712	30,187	3,474	4,115	3,843	4,366	33,504	58.2
Paperboard, Total	3,757,704	1,734,402	348,299	166,557	318,201	163,853	4,248,269	13.8
Solid Wood Pulp	3,572,758	1,648,152	328,552	158,606	299,085	143,856	4,018,479	13.1
Total Linerboard	2,499,718	935,384	238,624	87,910	211,835	78,899	2,937,799	18.4
Bleached Kraft Linerboard	283,113	127,787	36,098	16,018	38,019	17,222	333,578	19.8
Unbleached Kraft Linerbd	2,216,603	807,578	202,526	71,894	173,816	61,677	2,604,222	19.2
Other Unbleached Kraft	248,575	113,315	15,779	9,152	19,158	11,454	251,552	-0.1
Other Bleached Kraft	795,305	582,979	70,056	60,396	84,051	62,250	777,333	-1.1
Semi-Chemical Corrugating	31,162	14,494	4,093	1,448	4,244	1,453	49,798	61.5
Recycled Paperboard	184,947	88,250	17,737	9,951	19,118	10,097	231,790	22.5
Convtd Paper&Paperbd Products	1,040,035	1,278,349	98,818	147,223	92,292	140,096	1,060,929	0.1
Paper Products, Total	473,435	832,806	40,581	92,721	40,334	88,934	439,217	-8.0
Paperboard Products, Total	566,601	445,543	58,234	54,502	51,958	50,162	611,711	7.9
Wet Machine Board	2,889	1,256	12	5	11	18	531	-82.3
Construction Paper & Board E	33,368	13,501	1,074	806	782	476	9,049	-72.4
Notes								
Other: No Weight Avail. ($000)		23,985		4,726		4,778	50,505	112.9
Total Exports Incl. Other($000)		8,827,811		781,820		720,193	9,191,911	6.8

SOURCE: Bureau of Census, U.S. Department of Commerce. E – incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES 1982 = 100	YEAR 1988	YEAR 1989	SEPT 1990	OCT 1990	NOV 1990	DEC 1990	Annual Rate Y-T-D 1990	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	124.8	132.4	132.6	132.9	133.0	132.9	133.0	0.4
Pulp Paper & Products, ex. Building Grades & ex. Waste Paper *	123.8	132.0	132.6	132.9	133.1	132.9	132.9	0.7
Total Wood Pulp	136.7	157.4	150.1	147.3	145.7	144.7	152.4	-3.2
Total Paper	123.2	129.6	129.6	130.2	130.2	129.9	128.8	-0.6
Writing Paper, exc. Newsprint	123.4	130.5	130.3	130.6	130.7	130.1	129.2	-1.0
Newsprint	127.6	122.5	121.8	122.0	122.2	122.2	119.5	-2.4
Total Paperboard	133.2	140.1	133.1	133.9	135.0	133.9	135.9	-3.0
Total Paper and Paperboard *	126.4	132.9	130.8	131.4	131.7	131.2	131.0	-1.4
Converted Products	123.0	131.7	135.2	135.7	135.8	135.9	135.2	2.7
Waste Paper	183.6	157.1	130.0	130.0	129.0	131.4	138.2	-12.0
All Commodities	106.9	112.2	118.3	120.8	120.1	118.8	116.3	3.8
Industrial Commodities	106.3	111.6	118.3	121.3	120.6	118.9	115.8	3.7

SOURCE: Producer Price Indexes: Bureau of Labor Statistics, U.S. Department of Labor * Computed by API



Source: API Newsprint Division

Though up sharply from the low of 4.8 weeks of supply reported for the end of October 1990, they were only one-tenth of a day higher than at the end of 1989.

Total boxboard production in 1990 was 1.1% below its 1989 level, reflecting a similar decline in production of folding boxboard and a 2.7% drop in the "all other" paperboard grades, largely the result of an 11% decline in production of gypsum wallboard facing. There was a major shift from the solid bleached to the recycled grades within the folding boxboard sector (see table on page 3), while the grade total was supported by strength in exports.

FIBROUS RAW MATERIALS

Production of chemical paper grade market pulp rose 3.8% in 19[illegible] to a high of 7,520,000 tons. Output strengthened in the la[illegible]e months of the year, with the second half total 8.9% over the corresponding 1989 figure.

Shipments followed a similar pattern, rising 3.2% from the 1989 level to 7,388,000 tons, with 132,000 tons diverted to mill inventories. The second-half 1990 total was 9.6% above the corresponding 1989 level, reflecting increases in exports.

Exports of chemical paper grade market pulp in 1990, at 4.8 million short tons, were 6.7% above their year-ago total. Exports to Western Europe, which accounted for 41% of the total, gained 8.9%, while exports to Latin America, which amounted to 9% of the total, increased 40%. Exports to Japan (19% of the total) declined 16%, but exports to other Asian and African nations gained 11%, taking some 25% of the total.

Shipments to the domestic market and imports lagged this trend, falling 2.7% and an estimated 6.9%, respectively, as consumers' inventories of purchased wood pulp declined.

Waste paper continues to gain in importance as a source of fibre at paper and paperboard mills. Consumption in the January - November period rose 8.4% from its year-earlier level, outpacing the 1.6% increase in wood pulp usage.

COMMERCIAL PRINTING MARKETS

Inflation-adjusted shipments by commercial printers expanded 3.0% in 1990, following gains of 4.7% in 1989 and 4.2% in 1988, according to the Commerce Department. Last year's slowdown reflected weakness in financial printing and magazine advertising pages, which were off an estimated 8-10%. Other product categories encompassed by the Commerce Department's commercial printing series include catalogs and directories, labels and wrappers, newspaper inserts plus miscellaneous products such as tickets, menus, etc. Some 60% of commercial printing output was advertising-related.

Newspaper inserts and direct mail advertising were areas of relative strength for commercial printers during 1990. Newspaper inserts, based on a sample drawn from four major publishing firms, rose an estimated 4-5% in 1990.

Third class mail volume, a proxy for direct mail advertising, was up about 3% through the first nine months of last year and will probably maintain that gain for 1990 as a whole. However, if past experience is a reliable guide, third class mail volume will lose ground for several months after the February 3, 1991 rate hikes. As is shown by the graph on page 10, third class mail volume declined following the rate hikes imposed in February 1985 and April 1988.

The commercial printing industry's regional profile has changed significantly during the past twenty years. The West saw its share of national commercial printing output expand from 8.5% in 1970 to 18% in 1990, while the South's share rose from 21% to 27%. On the other hand, the Northeast experienced a contraction in market share from 41% to 24%. The North Central's relative importance has remained approximately stable at 30%.

The following table, which appears in the 1991 U.S. Industrial Outlook, lists the major products produced by commercial printers, along with their respective dollars volumes, highlighting the relative importance of these various markets.

ESTIMATED SALES OF PRINTED PRODUCTS

Printed Products	Estimated 1990 Sales	
	Billion Dollars	Per Cent
TOTAL	55.0	100.0
Advertising	19.0	34.5
Magazines and periodicals	8.0	14.5
Catalogs and directories	7.0	12.7
Labels and wrappers	5.0	9.1
Financial and legal	3.0	5.5
All other printed products	13.0	23.6

Source: U.S. Department of Commerce, International Trade Administration; Percentage calculations, API.

MONTHLY STATISTICAL SUMMARY INSERT
VOL. 69, NO. 1
JANUARY, 1991

PRODUCTION (000 TONS)

PAPER GRADES	(P) DEC 1990	(R) NOV 1990	DEC 1989	FIRST 12 MONTHS 1990	FIRST 12 MONTHS 1989	% CHANGE YR TO DATE 1990/1989
Newsprint	576	564	532	6,615	6,088	8.7
Printing & Writing	1,763	1,865	1,688	22,381	21,626	3.5
Uncoated Groundwood (s)	147	151	122	1,768	1,743	1.4
Coated Groundwood (s)	327	369	341	4,214	4,059	3.8
Coated Free Sheet (s)	237	273	246	3,307	3,157	4.8
Total Coated Paper (s)	564	642	587	7,521	7,215	4.2
Uncoated Free Sheet Paper (s)	930	942	865	11,510	11,081	3.9
Thin Paper (s)	14	19	19	234	262	-10.8
Cotton Fiber Paper (s)	11	13	12	161	161	0.2
Bleached Bristols (s)	96	98	84	1,188	1,164	2.0
Tissue Paper	484	477	460	5,802	5,636	2.9
Total Pkg & Other Paper	359	383	394	4,611	4,916	-6.2
Unbl. Kraft Paper (s)	173	196	216	2,377	2,681	-11.4
Other Paper	187	187	178	2,235	2,235	0.0
TOTAL PAPER	3,183	3,290	3,074	39,410	38,266	3.0
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1,795	1,698	1,569	20,335	19,490	4.3
Unbleached Kraft Linerboard	1,677	1,593	1,477	19,082	18,196	4.9
Other Unbl. Kraft Paperboard	118	106	92	1,253	1,294	-3.2
Semichemical Paperboard	494	477	480	5,710	5,691	0.3
Bleached Paperboard	369	336	372	4,380	4,521	-3.1
Recycled Paperboard	663	723	652	8,731	8,754	-0.3
TOTAL PAPERBOARD	3,321	3,234	3,073	39,156	38,456	1.8
TOTAL PAPER AND PAPERBOARD	6,504	6,524	6,147	78,566	76,722	2.4

WOOD PULP (ALL GRADES)	NOV 1990	OCT 1990	NOV 1989	FIRST 11 MONTHS 1990	FIRST 11 MONTHS 1989	% CHANGE YR TO DATE 1990/1989
Dissolving & Special Alpha	71	91	133	1,170	1,308	-10.6
Bleached Sulfite)	126	133	124	1,434	1,441	-0.5
Unbleached Sulfite)						
Bleached & Semi-Bl. Sulfate	2,225	2,334	2,152	25,192	24,841	1.4
Unbleached Sulfate	1,824	1,943	1,756	20,297	19,904	2.0
Semichemical	353	362	351	3,934	4,006	-1.8
Groundwood & Thermomechanical	550	578	505	5,906	5,506	7.3
TOTAL PULP DIVISION DATA	5,150	5,442	5,021	57,932	57,007	1.6

(s) - Shipments
P - Preliminary
R - Revised

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

INDUSTRY DATA January 31, 1991	1988	1989	1990	1990 R	1990 P	AN RATE Y-T-D 90	% CH/ SAME PD 89
PAPER AND PAPERBOARD -- Tons (000)			OCTOBER	NOVEMBER	DECEMBER		
Total Production (API) : excluding :	76,455	76,722	6,826	6,524	6,504	78,586	2.4
Total Seasonally Adjusted : construction :			6,664	6,628	6,591	78,507	2.4
Imports (Including Products) : and wet : E	12,798	12,910	1,149	1,070	1,069	13,087	1.4
Exports (Including Products) : machine : E	5,559	6,263	576	546	567	6,831	9.1
Apparent Consumption : grades :	83,683	83,369	7,237	7,151	7,093	84,823	1.8
Paper Production % Tonnage Capacity	95.4	93.0	96.1	93.8	88.2	93.4	-
Paperboard Production % Tonnage Capacity	94.5	93.8	92.6	92.3	92.1	93.6	-
PAPER, PAPERBOARD AND PRODUCTS			SEPTEMBER	OCTOBER	NOVEMBER		
Imports : Including Construction and :	13,110	13,100	1,004	1,166	1,081	13,259	0.6
Exports : WMB Grades (excl. HPB) :	5,891	6,300	580	578	547	6,842	8.4
MARKET WOOD PULP PRODUCTION - Tons (000)	8,565	8,864	734	728	674	8,817	0.8
TOTAL WOOD PULP PRODUCTION - Tons (000)	61,161 f	61,998 f	5,200	5,442	5,150	63,205	1.8
WOOD PULP IMPORTS - TONS (000)	5,038	5,005	367	445	390	4,979	-0.9
WOOD PULP EXPORTS - TONS (000)	5,528	6,231	526	491	436	5,922	-3.9
RAW MATERIALS CONSUMPTION - Tons (000)			SEPTEMBER	OCTOBER	NOVEMBER		
PAPER AND BOARD MILLS : excluding :	80,294	80,727	5,034	5,391	5,073	81,840	1.8
Wood Pulp : consumption for :	19,021	19,490	1,797	1,834	1,790	21,212	8.4
Waste Paper : construction & :	79,315	80,217	6,831	7,225	6,862	83,052	3.3
TOTAL : WMB grades :	96,497	98,414	8,328	8,517	8,120	99,471	0.8
PULPWOOD CONSUMPTION Cords (000) Amer. Pulpwd. Assn			OCTOBER	NOVEMBER	DECEMBER		
EMPLOYMENT (000)	692.6	697.1 RS	696.9	696.3	695.7	698.5	0.2
Paper and Allied Products Total	247.2	229.6 RS	227.3	227.2	227.8	229.3	-0.1
Pulp, Paper and Board Mills Total A			OCTOBER	NOVEMBER	DECEMBER		
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)	11.66	11.96 RS	12.43	12.53	12.53	12.30	2.8
Paper and Allied Products	14.31	14.73 RS	15.44	15.58	15.41	15.20	3.2
Pulp, Paper Mills A	14.49	14.76 RS	15.58	15.75	15.69	15.25	3.4
Paperboard Mills E			1990 Q1	1990 Q2	1990 Q3		
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS (Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	10.92	15.58	17.56	16.59	16.74	16.84 Y	8.1
INDEX OF OUTPUT PER MAN-HOUR (1977=100)	146.0	148.0 RS	OCTOBER	NOVEMBER	DECEMBER		
IN PULP, PAPER : Production Workers	142.8	144.7 RS	152.1	149.4	150.5	150.5	1.7
AND BOARD MILLS : All Employees			149.3	148.7	147.1	147.1	1.7
PAPER AND ALLIED PRODUCTS (Million $)	127,718	130,501	OCTOBER	NOVEMBER	DECEMBER		
Industry Shipments (Dept. of Commerce)*	57,177	57,700	10,988	10,992	10,827	131,215	0.5
Pulp, Paper and Paperboard*	12,065	12,571	4,753	4,727	4,677	56,425	-2.2
Inventories (End of Period) - Total Industry*	4,325	4,980	12,769	12,787	12,904	12,904	2.6
Pulp, Paper and Paperboard*			5,205	5,233	5,258	5,258	5.8
PAPER AND ALLIED PRODUCTS COMPANIES (Million $)	107,221	113,573	1990 Q1	1990 Q2	1990 Q3		
Sales (Corporations Only)	8,081	7,047	28,534	28,844	28,862	114,987	1.6
Earnings (Corporations Only)	4,625	5,010	1,389	1,630	1,246	5,687	-27.6
Depreciation (Corporations Only)	42,940	45,642	1,347	1,341	1,380	5,424	9.7
Net Worth (Corporations Only)			48,519	45,597	46,185	46,185	-0.1
PRICE INDEXES (Bureau of Labor Stats) 1982=100	124.8	132.4	OCTOBER	NOVEMBER	DECEMBER		
Pulp, Paper & Products, ex. Building Grades	136.7	157.4	132.6	132.9	133.0	133.0	0.4
Wood Pulp	183.6	157.1	150.1	147.3	145.7	152.4	-3.2
Waste Paper	123.2	129.6	130.0	130.0	129.0	138.2	-12.0
Paper	133.2	140.1	129.8	130.2	130.2	129.8	-0.6
Paperboard			133.1	133.9	135.0	135.9	-3.0
PAPER DEMAND (INDEXED: 1987=100)	103.8	103.5	OCTOBER	NOVEMBER	DECEMBER		
Total Paper Production *	103.7	102.2	109.2	107.4	103.9	106.7	3.0
Paper New Supply *	103.8	107.8	107.7	104.4	101.6	104.7	2.4
Demand Indicators - (Weighted Average) *	103.6	106.4	110.3	110.1	110.2	110.1	2.1
Production of Nondurable Goods * (21.2%)	104.4	107.2	108.2	107.1	106.9	107.7	1.2
Disposable Income * (23.9%)	103.6	108.6	107.0	107.1	107.7	108.1	1.5
Total Printing and Publishing * (54.9%)			112.6	112.5	112.5	111.9	3.1
PAPERBOARD DEMAND (INDEXED: 1987=100)	101.7	102.6	OCTOBER	NOVEMBER	DECEMBER		
Total Paperboard Production *	102.0	102.7	105.9	106.5	106.8	104.5	1.8
Production for Domestic Use	104.7	107.2	108.4	107.6	106.0	103.7	0.9
Demand Indicators - (Weighted Average) *	104.0	106.6	108.8	108.6	108.2	107.9	0.6
Production of Consumer Goods * (62.06%)	107.5	112.3	108.4	108.1	108.1	107.3	0.6
Production of Equipment * (5.75%)	105.6	107.4	117.0	114.8	114.2	115.5	2.9
Production of Materials * (32.19%)			108.2	108.0	104.9	107.7	0.3
MARKET DATA	13,497	13,493	SEPTEMBER	OCTOBER	NOVEMBER		
Consumption by Publishers - Tons (000)	475	473	1,122	1,154	1,136	13,372	-0.8
Newspaper Pub. and Printing Empl. Total(000)	172,580	181,560	479	479	478	478	1.1
Magazine Advertising Pages (PIB, Inc.)			16,409	17,744	16,917	172,428	-5.0
Wholesalers Sales and Inventories (Million $)	46,554	50,745	SEPTEMBER	OCTOBER	NOVEMBER		
Total Paper & Pap. Prdcts. ex Wallpaper Sales	3,959	4,137	4,307	4,880	4,502	52,947	4.2
Inventories (End of Period)			4,161	4,395	4,407	4,407	7.3
FIBRE BOX DATA (Fibre Box Association)	308,507	313,400	OCTOBER	NOVEMBER	DECEMBER		
Fibre Box Shipments (Million square feet)	2,553	2,589	30,526	24,955	21,412	315,775	0.8
Container'd Inventory at Mill & Plant (000 Tons)			2,485	2,526	2,784	2,784	7.5
RETAIL TRADE (Billion $)	1,622	1,711	151.8	151.6	151.1	1,801	5.3
Total Retail Sales *	986	1,062	97.7	98.2	98.0	1,152	8.5
Nondurable Goods Stores Sales *			OCTOBER	NOVEMBER	DECEMBER		
GENERAL ECONOMIC DATA	105.4	108.1	109.8	107.8	107.1	109.1	1.0
TOTAL INDUSTRIAL PRODUCTION (INDEX 1987 = 100)*	106.9	112.2	120.8	120.1	118.6	118.3	3.6
PRODUCER PRICES (ALL COMMODITIES) (INDEX 1982=100)	118.3	124.0	133.5	133.8	133.8	130.7	5.4
CONSUMER PRICES (ALL ITEMS-URBAN CON.) (1982-4=100)			1990 Q1	1990 Q2	1990 Q3		
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$)	4,874	5,201	5,375	5,443	5,515	5,463	5.0
G.N.P. or Expenditure - Current $	4,017	4,118	4,151	4,155	4,170	4,156	0.9
G.N.P. or Expenditure - 1982 $	660	670				680	
PAPER AND PAPERBOARD CONSUMPTION - POUNDS PER CAPITA							

f - Wood Pulp Prod exc del., expts & scr. R - Revised RS - Revised series E - Last month estimated by API A - Estimated by API Y - Full year estimated by Dep't of Commerce * Seasonally Adjusted